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Examiner

Date

TUAN A. PHAM

Applicant(s)/Patent under Reexamination

KIM, SUNG-JIN

Art Unit

2643

Rejected Allowed

(Through numeral) Cancelled Restricted

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| Final           | Original | 5/2/05   | -         |  |              |                |              |              |          |                 |   | Final       | Original |          |          |          |              |        |
|                 | 1        | 1        |           |  |              |                |              |              |          |                 | ] |             | 51       |          |          |          | 上            | T      |
|                 | 2        | <b>√</b> |           |  |              |                |              |              |          |                 | ] |             | 52       |          |          |          |              | Τ      |
| <u></u>         | 3        | 1        |           | <u> </u>   | 1_           | <u> </u>       |              |              | <u> </u> | L               |   |             | 53       |          |          |          |              | I      |
| <u> </u>        | - 4      | 1        |           |  | <u> </u>     | <u> </u>       |              | 1            | _        | $oxed{igspace}$ | 1 |             | 54       | _        |          | _        | _            | ļ      |
| <u> </u>        | 5        | 1        |           | _  | _            | _              | _            | 1            | <u> </u> | _               | Į |             | 55       | <u> </u> | Ŀ        | _        | <u> </u>     | 1      |
| <u></u>         | 6        | 1        |           | $\vdash$   | ┡            | 1              | -            | ↓_           | ╙        | -               |   |             | 56       | <u> </u> | <u> </u> | ┡        | ₽            | +      |
| }               | 7        | 1        | -         | $\vdash$   | <del> </del> |                | ⊢            | -            | <b>├</b> | <del> </del>    | ł |             | 57       |          | ├        | ├        | -            | $^{+}$ |
|                 | 8<br>9   | 1        |           | ├─   | ├            | ├              | ┢            | -            | -        | ╁               | 1 | <del></del> | 58<br>59 |          | ⊢        | ⊢        | $\vdash$     | ╀      |
|                 | 10       | <u> </u> |           | ┢  | ┢            | ┢              | ├            | ├            | ┼        | $\vdash$        | ł |             | 60       |          |          | ╁        | ╁            | ╁      |
|                 | 11       |          |           |  | ╁            | ┢              |              |              | H        | ┢               | ł |             | 61       |          | $\vdash$ | ├-       | ╁            | t      |
|                 | 12       |          |           | -  | <del> </del> | <del>  -</del> | $\vdash$     |              |          |                 | i | <b>-</b>    | 62       |          |          |          | ┼┈           | t      |
|                 | 13       |          |           |  | 1            | 1              |              | T            |          |                 | 1 |             | 63       |          |          | T        | $\vdash$     | t      |
|                 | 14       |          |           | <del>                                     </del> | 1            | 1              | İ            |              | Т        |                 |   |             | 64       |          |          | <u> </u> | 1-           | t      |
|                 | 15       |          |           |  |              |                |              |              |          |                 | İ |             | 65       |          |          | T        | 1            | T      |
|                 | 16       |          |           |  |              |                |              |              |          |                 | ] |             | 66       |          |          |          | 1            | T      |
|                 | 17       |          |           |  |              |                |              |              |          |                 |   |             | 67       |          |          |          |              | Τ      |
|                 | 18       |          |           |  |              | L              |              |              |          |                 |   |             | 68       |          |          |          |              | I      |
|                 | 19       | _        |           |  | L            |                | <u> </u>     | L            | L.       | L               |   |             | 69       |          |          |          | L            | L      |
|                 | 20       |          |           |  | <u> </u>     | _              |              | _            |          | _               |   |             | 70       |          |          |          | 丄            | Ļ      |
|                 | 21       | Ш        |           |  | ⊢            | -              | <u> </u>     | <u> </u>     |          | <u> </u>        |   |             | 71       |          |          | <u> </u> | ╙            | ļ      |
|                 | 22       |          |           | _  | <b>├</b>     | $\vdash$       | $\vdash$     | -            | ⊢-       |                 |   |             | 72       |          | <u> </u> | ├_       | <del> </del> | ╀      |
|                 | 23<br>24 | Н        |           |  | <del> </del> | ⊢              | ⊨            | ⊢            | -        | -               |   |             | 73       |          |          | ├        | ⊢            | +      |
|                 | 25       |          |           | _  | -            | ├              | ⊢            | ⊢            | -        | ⊢               |   |             | 74<br>75 |          | -        |          | ┢            | ╁      |
| $\vdash$        | 26       | $\vdash$ |           |  | -            | -              |              | $\vdash$     | H        | ┢               |   | -           | 76       | $\vdash$ | $\vdash$ |          | ₩            | t      |
|                 | 27       | $\vdash$ |           |  | ┢            | ┢              |              |              |          | ┢               |   |             | 77       |          | ┝        |          | ┢            | t      |
|                 | 28       |          |           | _  |              |                |              |              | $\vdash$ | $\vdash$        |   |             | 78       |          |          |          | <u> </u>     | t      |
|                 | 29       |          |           |  |              |                |              |              |          | H               |   |             | 79       |          | $\vdash$ |          | T            | t      |
|                 | 30       |          |           |  |              |                |              |              |          |                 |   |             | 80       |          |          |          | T            | t      |
|                 | 31       |          |           |  |              |                |              |              |          |                 |   |             | 81       |          |          | Π        |              | T      |
|                 | 32       |          |           |  |              |                |              |              |          |                 |   |             | 82       |          |          |          |              | Ι      |
|                 | 33       |          |           |  | _            |                |              | L.           |          |                 |   |             | 83       |          |          |          |              |        |
| <u> </u>        | 34       |          |           | _  | <u> </u>     | _              |              |              | <u> </u> | L.              |   |             | 84       |          |          | L_       | <u> </u>     | Ļ      |
| -               | 35       |          |           |  | <u> </u>     | ļ              | <u> </u>     | _            |          | _               |   |             | 85       |          |          |          | ㄴ            | Ļ      |
| <u> </u>        | 36       |          | _         |  | $\vdash$     | L              | <u> </u>     | ⊢-           | -        | $\vdash$        |   |             | 86       | _        | _        | _        | $\vdash$     | L      |
| $\vdash\vdash$  | 37       |          | _         | _  | -            | <u> </u>       | <del> </del> | $\vdash$     |          | <del> </del>    |   |             | 87       |          | _        | -        | <del> </del> | +      |
| $\vdash$        | 38<br>39 |          |           |  | -            | <del> </del>   |              | ⊢            | $\vdash$ | -               |   |             | 88<br>89 |          |          | $\vdash$ | ┼─           | ╀      |
| $\vdash$        | 40       |          | -         |  | $\vdash$     | $\vdash$       | $\vdash$     | ┢            | H        |                 |   | -           | 90       |          |          | $\vdash$ | $\vdash$     | +      |
| $\vdash$        | 41       |          | $\exists$ |  | $\vdash$     |                |              | <del> </del> | $\vdash$ |                 |   | -           | 91       | -        |          | $\vdash$ | $\vdash$     | t      |
| $\vdash$        | 42       |          | ٦         | _  |              | _              | H            |              | _        |                 |   |             | 92       | $\vdash$ |          | -        | $\vdash$     | t      |
|                 | 43       |          |           | _  |              |                |              |              |          | П               |   |             | 93       |          | _        | Ι-       | ✝            | t      |
|                 | 44       |          |           |  |              |                |              |              |          |                 |   |             | 94       |          |          | Г        | Ι-           | T      |
|                 | 45       |          |           |  |              |                |              |              |          |                 |   |             | 95       |          |          |          | Ĺ            | T      |
|                 | 46       |          |           |  |              |                |              |              |          |                 |   |             | 96       |          |          |          |              | Γ      |
|                 | 47       | $\Box$   |           |  |              |                |              |              |          |                 |   |             | 97       |          |          |          |              | Γ      |
| $oxed{igspace}$ | 48       | ļ        | _         |  | Ш            | _              | L            |              | L        |                 |   |             | 98       |          |          | Ĺ        | 匚            | Ĺ      |
| لـــــا         | 49       | _        |           |  | L            |                | Ш            | <u> </u>     | <u> </u> | Щ               |   |             | 99       |          |          | _        | $oxed{oxed}$ | L      |
| Щ.              | 50_      |          |           |  | لــا         |                | L_           | L_           | L        | Ш               |   |             | 100      |          |          |          | 匚            | L      |

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|-------------|----------------|----------|----------|----------------|----------|----------|--------------|--------------|----------|-----------------|
| Final       | Original       |          |          |                |          |          |              |              |          |                 |
|             | 51<br>52<br>53 | 1        | Г        | 1              | t        | T        |              |              | Т        |                 |
|             | 52             | -        | ┢        | H              |          | H        | Н            | $\vdash$     |          | _               |
|             | 53             |          | -        | $\vdash$       | ⊢        | H        | $\vdash$     |              |          | 1               |
| $\vdash$    | 54             | $\vdash$ | -        | -              | $\vdash$ | $\vdash$ |              | $\vdash$     | $\vdash$ | $\vdash$        |
|             | 54<br>55       | $\vdash$ | $\vdash$ | ├              | -        | $\vdash$ |              |              | -        | ┝               |
|             | 55             | $\vdash$ | Ŀ        | $\vdash$       | ├        | ├        |              | -            |          |                 |
| -           | 56             | -        | ⊢        | $\vdash$       |          |          |              | ┡            | $\vdash$ | -               |
| -           | 57             | _        | ├-       | -              | <u> </u> |          |              | _            | _        | <u> </u>        |
|             | 58             |          | ⊢        |                | <u> </u> |          |              |              |          | <u> </u>        |
|             | 59<br>60       |          | _        | <u> </u>       | <u> </u> | _        | _            |              | <u> </u> | ļ               |
|             | 60             |          | <u> </u> | _              | _        | _        | <u> </u>     |              |          | _               |
| <u> </u>    | 61             |          | _        |                | L        | ļ        | <u> </u>     |              |          |                 |
|             | 62<br>63       |          | _        |                | L        |          |              |              |          |                 |
| L           | 63             |          | <u> </u> | L_             | _        |          | <u> </u>     |              |          | 匚               |
| <u></u>     | 64             |          |          | L              |          |          |              | L            |          |                 |
| L           | 65             |          |          |                |          |          |              |              |          |                 |
|             | 66             |          |          |                |          | L        |              |              |          |                 |
|             | 67             |          |          |                | Γ        |          |              |              |          |                 |
|             | 68             |          |          |                |          |          |              | -            | Г        |                 |
|             | 69             |          | _        |                |          |          |              |              |          |                 |
|             | 70<br>71       |          |          |                | $\vdash$ |          |              |              |          |                 |
|             | 71             |          |          |                |          |          | _            |              |          |                 |
|             | 72             |          |          |                |          |          |              |              |          |                 |
|             | 73             |          |          | $\vdash$       |          |          |              |              |          |                 |
|             | 72<br>73<br>74 |          |          |                | $\vdash$ | _        | -            |              |          |                 |
|             | 75             |          |          |                |          |          | -            | _            |          |                 |
| -           | 75<br>76<br>77 |          | $\vdash$ |                |          |          |              | _            |          |                 |
|             | 77             |          | $\vdash$ |                |          |          | -            |              |          |                 |
| -           | 78             |          |          |                |          | -        | _            | _            |          |                 |
| -           | 78<br>79       |          | $\vdash$ | $\vdash$       |          |          |              | -            |          |                 |
| <u> </u>    | 80             |          | $\vdash$ | $\vdash$       |          |          | -            | _            |          |                 |
| -           | 91             | -        |          | $\vdash$       |          |          |              | -            |          | -               |
|             | 81<br>82       | -        |          |                | $\vdash$ | $\vdash$ | -            | <del> </del> |          | $\vdash$        |
| <u> </u>    | 02             |          | $\vdash$ | <del>  -</del> | $\vdash$ | $\vdash$ | -            | <del> </del> | H        | $\vdash$        |
| $\vdash$    | 83             | $\vdash$ | $\vdash$ | <del> </del>   | -        | $\vdash$ |              | _            | -        | Н               |
|             | 84             | $\vdash$ | _        | -              | -        | -        |              |              |          | $\vdash$        |
| -           | 85             | Ш        | _        | $\vdash$       | $\vdash$ | <u> </u> | -            | -            | <u> </u> | Н               |
| $\vdash$    | 86<br>87       | -        | <u> </u> | <u> </u>       | $\vdash$ | $\vdash$ |              | <u> </u>     | <u> </u> | $\vdash \vdash$ |
| -           | 8/             | Ш        | _        | <u> </u>       | <u> </u> | $\vdash$ | _            |              |          | $\vdash$        |
|             | 88             | Ш        | <u> </u> | <u> </u>       | <u> </u> | L.J      |              | _            | _        | Щ               |
| <b>_</b>    | 89             |          | _        | <u> </u>       | <u> </u> | $\sqcup$ |              | <u> </u>     |          |                 |
|             | 90             |          |          |                | <u> </u> | Щ        |              |              |          | Ш               |
|             | 91             | _        |          | L_             | <u> </u> | Щ        |              |              |          | Ш               |
|             | 92             |          |          | L.             | <u> </u> | Щ        |              |              |          | $\Box$          |
| <u> </u>    | 93             |          |          | Щ              | <u> </u> | Щ        |              |              |          |                 |
|             | 94             | Щ        |          | <u> </u>       |          | Ш        |              |              |          |                 |
|             | 95             | Ш        |          |                |          | Ш        |              |              |          |                 |
| $\square$   | 96             |          |          |                |          | Ш        |              |              |          |                 |
| $\square$   | 97             |          |          |                |          | Ш        |              |              |          |                 |
| <u></u>     | 98             |          |          |                |          |          |              |              |          |                 |
|             | 99             |          |          |                |          |          |              |              |          |                 |
|             | 100            |          |          |                |          |          |              |              |          |                 |

| CI          | aim                      | Date         |          |          |                  |              |          |  |          |                 |
|-------------|--------------------------|--------------|----------|----------|------------------|--------------|----------|--|----------|-----------------|
| <del></del> |                          | $\vdash$     | П        | П        | Г                | Ī            | Ť        | Ī  | <u> </u> |                 |
| Final       | Original                 |              |          |          |                  |              |          |  |          |                 |
|             | 101<br>102               |              |          | L        |                  |              |          |  |          |                 |
|             | 102                      | $oxed{oxed}$ |          |          |                  |              |          |  |          |                 |
|             | 103                      | <u> </u>     |          |          | L                | _            | _        | _  | _        |                 |
|             | 103<br>104<br>105        | <u> </u>     | _        | <u> </u> |                  | <u> </u>     | _        | _  |          |                 |
|             | 105                      |              |          | ┞        | _                |              | _        | _  |          | _               |
|             | 106<br>107               | ⊢            |          | <b>-</b> | ├                | <u> </u>     | _        | ⊢  | <u> </u> | -               |
|             | 107                      | $\vdash$     | $\vdash$ | ⊢        | ┢                | -            | ├        | ⊢  | ⊢        |                 |
|             | 109                      | ├            | $\vdash$ | $\vdash$ |                  | ┢            | $\vdash$ | ├  | -        |                 |
|             | 110                      |              |          | -        | <del>  -  </del> | $\vdash$     | ╁        | $\vdash$   | $\vdash$ |                 |
|             | 111                      |              |          |          | H                | <del> </del> | -        | <del>                                     </del> | $\vdash$ | Н               |
|             | 112                      |              |          |          |                  |              | $\vdash$ |  | $\vdash$ | П               |
|             | 111<br>112<br>113        |              |          |          |                  |              |          |  |          |                 |
|             | `114<br>115              |              |          |          |                  |              |          |  |          |                 |
|             | 115                      |              |          |          |                  |              |          |  |          |                 |
|             | 116<br>117               |              | <u>_</u> | <u></u>  |                  |              | Ŀ        | <u> </u>   |          | Ш               |
|             | 117                      | <u> </u>     | <u> </u> | _        | <u> </u>         | <u> </u>     | _        | <u> </u>   | <u> </u> | Ш               |
| <u> </u>    | 118                      |              | _        | ┞        | _                | -            | _        | _  | <u> </u> | $\square$       |
| <u> </u>    | 119<br>120<br>121        | <u> </u>     | <u> </u> | <u> </u> |                  | <u> </u>     |          | -  |          | $\vdash \vdash$ |
|             | 120                      |              | -        | $\vdash$ | $\vdash$         | $\vdash$     | <u> </u> | _  |          | $\vdash\vdash$  |
|             | 121                      | $\vdash$     | $\vdash$ | -        | -                | <u> </u>     | <u> </u> | -  |          | Н               |
| <del></del> | 122                      | _            |          |          |                  | -            |          | -  |          | $\vdash$        |
|             | 122<br>123<br>124<br>125 |              |          | -        | H                | -            | $\vdash$ | -  |          | $\vdash$        |
|             | 125                      | _            |          |          | $\vdash$         |              |          |  | -        | Н               |
|             | 126                      | _            | _        | $\vdash$ | $\vdash$         |              |          |  | _        |                 |
|             | 126<br>127<br>128        |              |          |          |                  |              |          |  |          |                 |
|             | 128                      |              |          |          |                  |              |          |  |          |                 |
|             | 129                      |              |          |          |                  |              |          |  |          |                 |
|             | 130<br>131               |              |          |          |                  |              |          |  |          |                 |
|             | 131                      |              |          |          | L                |              |          |  |          |                 |
|             | 132                      |              | Щ        | <u> </u> | _                |              |          | L  |          | Щ               |
|             | 133<br>134               |              |          | <u> </u> | <u> </u>         | <u> </u>     | L        | L  |          | Щ               |
|             | 134                      | $\vdash$     | H        |          | <u> </u>         |              | _        |  | $\vdash$ | Ш               |
|             | 135<br>136               |              |          | $\vdash$ | $\vdash$         | $\vdash$     | -        |  | -        | $\dashv$        |
|             | 135                      | -            | <b>-</b> |          | -                | $\vdash$     |          | $\vdash$   | -        | $\dashv$        |
|             | 138                      |              |          | $\vdash$ | <b></b>          | -            | _        | H  | $\vdash$ | H               |
| -           | 138<br>139               |              |          |          | <u> </u>         |              |          | -  |          | $\vdash$        |
|             | 140                      |              |          |          |                  | H            | _        | -  |          | $\dashv$        |
|             | 141                      | _            |          |          |                  |              |          |  |          | $\Box$          |
|             | 142                      |              |          |          |                  |              |          |  |          | П               |
|             | 143                      |              |          |          |                  |              |          |  |          |                 |
|             | 144                      |              |          |          |                  |              |          |  |          |                 |
|             | 145                      |              |          |          |                  |              |          |  |          |                 |
|             | 146                      |              |          |          |                  | .            |          |  |          |                 |
|             | 147                      |              | Щ        |          | L                | Ш            |          | Ш  | Щ        | Ш               |
|             | 148                      |              | Щ        |          | _                | Ш            |          | Щ  | Щ        | Щ               |
|             | 149                      |              |          | Щ        |                  | Ш            |          | Щ  |          | Щ               |
|             | 150                      |              |          | Щ        |                  | oxdot        |          | L  |          |                 |